Notice of Allowability	Application No.	Applicant(s)	
	09/936,337	IKEDA ET AL.	
	Examiner	Art Unit	
	Hong Cho	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment filed on 6/9/2006*.

2. ☒ The allowed claim(s) is/are *10-18 (renumbered 1-9, respectively)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Patrick Miller on 8/18/2006.

The Specification has been amended as follows:

On page 3, line 9, "disclosed in claim 1" has been deleted.

On page 3, line 23, "disclosed in claim 2" has been deleted.

On page 4, line 12, "disclosed in claim 3" has been deleted.

On page 5, line 3, "disclosed in claim 4" has been deleted.

On page 5, line 19, "disclosed in claim 5" has been deleted.

On page 6, line 9, "disclosed in claim 6" has been deleted.

On page 7, line 1, "disclosed in claim 7" has been deleted.

On page 7, line 14, "disclosed in claim 8" has been deleted.

On page 8, line 2, "disclosed in claim 9" has been deleted.

On page 8, starting line 17, "In the transmitting apparatus disclosed in claim 1, transmission method disclosed in claim 2, and the provision medium disclosed in claim 3" has been changed to - - In a first exemplary embodiment, in the transmitting apparatus, transmission method, and the provision medium - -.

On page 9, starting line 4, "In the transmitting apparatus disclosed in claim 4, transmission method disclosed in claim 5, and the provision medium disclosed in claim 6" has been changed to - - In a second exemplary embodiment, in the transmitting apparatus, transmission method, and the provision medium - -.

On page 9, starting line 17, "In the transmitting apparatus disclosed in claim 7, transmission method disclosed in claim 8, and the provision medium disclosed in claim 9" has been changed to - - In a third exemplary embodiment, in the transmitting apparatus, transmission method, and the provision medium - -.

On page 19, starting line 18, "according to the transmitting apparatus disclosed in claim 1, the transmission method disclosed in claim 2, and the provision medium disclosed in claim 3" has been changed to - - according to the first exemplary transmitting apparatus, transmission method, and provision medium - -.

On page 20, starting line 9, "according to the transmitting apparatus disclosed in claim 4, the transmission method disclosed in claim 5, and the provision medium disclosed in claim 6" has been changed to - - according to the second exemplary transmitting apparatus, transmission method, and provision medium - -.

On page 20, starting line 14, "according to the transmitting apparatus disclosed in claim 7, the transmission method disclosed in claim 8, and the provision medium disclosed in claim 9" has been changed to - - according to the third exemplary transmitting apparatus, transmission method, and provision medium - -.

Claims 12, 15 and 18 have been amended as shown in the Attachment A.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hong Cho whose telephone number is 571-272-3087. The examiner can normally be reached on Mon-Fri during 7 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571-272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hc
Hong Cho
Patent Examiner
8/18/2006

Attachment A

~~Enclosure A - Proposed Claim and Specification Amendments for Application No. 09/950,997 (Attorney Docket No. [redacted])~~

Amendments to Claims 12, 15, and 18:

12. (Currently Amended) A ~~provision medium for providing, to~~ computer readable medium having a program for causing a transmitting apparatus for orthogonal frequency division multiplexing ("OFDM") modulating and transmitting predetermined information~~, a computer readable program for making it~~ to run processing, the processing comprising:

an input step of inputting a first window signal serving as a reference;

a first generation step of generating a clock signal and a second window signal in accordance with the first window signal input at the input step;

a modulation step of modulating an OFDM signal in accordance with the information by using the clock signal and the second window signal;

a second generation step of generating a predetermined radio frequency ("RF") signal in accordance with the second window signal; and

a frequency conversion step of converting frequencies of the OFDM signal based on the RF signal so that a carrier interval between adjacent channels becomes a whole multiple of the interval between adjacent carriers within a channel.

15. (Currently Amended) A ~~provision medium for providing, to~~ computer readable medium having a program for causing a transmitting apparatus for orthogonal frequency division multiplexing ("OFDM") modulating and transmitting predetermined information~~, a computer readable program for making it~~ to run processing, the processing comprising:

an input step of inputting an OFDM signal serving as a reference;

a first generation step of demodulating the OFDM signal input in the input step and generating a window signal and a clock signal;

a modulation step of modulating the OFDM signal in accordance with the information by using the window signal and the clock signal;

a second generation step of generating a predetermined radio frequency ("RF") signal in accordance with the window signal; and

a frequency conversion step of converting frequencies of the OFDM signal based on the RF signal so that a carrier interval between adjacent channels becomes a whole multiple of the interval between carriers adjacent to each other within a channel.

18. (Currently Amended) A ~~provision medium for providing, to~~ computer readable medium having a program for causing a transmitting apparatus for orthogonal frequency division multiplexing ("OFDM") modulating and transmitting predetermined information, ~~a computer readable program for making it~~ to run processing, the processing comprising:

an input step of inputting a window signal and a clock signal serving as a reference;

a modulation step of modulating an OFDM signal in accordance with the information by using the window signal and the clock signal input at the input step;

a generation step of generating a predetermined radio frequency ("RF") signal in accordance with the window signal; and

a frequency conversion step of converting frequencies of the OFDM signal based on the RF signal so that a carrier interval between adjacent channels becomes a whole multiple of the interval between carriers adjacent to each other within a channel.